TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2017-05-16-03** **Date: 17-05-17**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Ward Development work in Ward No.14, in Bagalagunte.
Agency	:	Technical Manager(West), KRIDL, Project Implementation unit, NO. 280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore.
Customer Reference	:	BBMP/EE/DD/WO/71/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-05-17
Sample ID No	:	2017-05-16-03-01
Type of Mix	:	WMM (Wet Mix Macadam)
Date of test	:	16-05-17
Oven Dry Weight	:	11500 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0	100	100
45	287	287	2.5	97.5	95-100
22.4	2272	2559	22.3	77.7	60-80
11.2	2654	5213	45.3	54.7	40-60
4.75	2175	7388	64.2	35.8	25-40
2.36	1875	9263	80.5	19.5	15-30
0.6	536	9799	85.2	14.8	8-22
0.075	1254	11053	96.1	3.9	0-5

Note:-

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared By:
Harshitha

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST RESULTS OF GRADATION FOR WMM

Lab ID : **CP-RW-2017-05-16-03** **Date: 17-05-17**
Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Ward Development work in Ward No.14, in Bagalagunte.
Agency : Technical Manager(West), KRIDL, Project Implementation unit, NO. 280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore.

Customer Reference : BBMP/EE/DD/WO/71/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 16-05-17
Sample ID No : 2017-05-16-03-02
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 16-05-17
Oven Dry Weight : 11500 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0	100	100
45	291	291	2.5	97.5	95-100
22.4	2352	2643	23.0	77.0	60-80
11.2	2755	5398	46.9	53.1	40-60
4.75	2072	7470	65.0	35.0	25-40
2.36	1791	9261	80.5	19.5	15-30
0.6	559	9820	85.4	14.6	8-22
0.075	1329	11149	96.9	3.1	0-5

Note:-
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid.
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared By:
Harshitha

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R'KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

CIVIL PRO
AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: T- 4358

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2017-05-30-01** **Date: 03-06-2017**

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Ward Development work in Ward No.14, in Bagalagunte.

Agency : Technical Manager(West), KRIDL, Project Implementation unit, NO. 280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore.

Customer's Reference : BBMP/EE/DD/WO/71/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 30-05-2017

Sample ID No : 2017-05-30-01-01

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/06/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	26/05/2017	02/06/2017	150.10 X 150.32 X 150.32	22563	8.300	417.4	18.5	18.5
2	PCC	M15	26/05/2017	02/06/2017	150.51 X 150.62 X 150.12	22670	8.398	417.1	18.4	
3	PCC	M15	26/05/2017	02/06/2017	150.21 X 150.18 X 150.42	22559	8.209	421.8	18.7	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harsitha

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	**CP-2017-05-12-01** **Date: 17-05-2017**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	Dasarahalli Sub Division, BBMP, Bangalore.
Agency	:	Ward Development work in Ward No.14, in Bagalagunte.
Project Name	:	Technical Manager(West), KRIDL, Project Implementation unit, NO. 280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore.
Customer's Reference	:	BBMP/EE/DD/WO/71/2017-18
Source of Sample	:	Sample supplied by the Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-05-2017
Sample ID No	:	2017-05-12-01/08
Sample Type/Size	:	Solid concrete blocks of size (400X200X200)mm
Reference to BIS codes	:	IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	12-05-2017

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185 (Part 1):2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	402	202	200	16241	32.160	1980.2	1954.8	Not less than 1800Kg/m^3
2	402	201	203	16403	31.980	1949.7		
3	401	202	203	16443	31.81	1934.5		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185 (Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.650	32.440	3.73	3.53	Shall not be more than 10% by mass
2	33.980	32.870	3.38		
3	33.250	32.130	3.49		

CIVIL PRO Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Lab ID : **CP-2017-05-12-01** **Date: 17-05-2017**

Sample ID No : **2017-05-12-01/08**

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	401	203	201	Length : ± 5mm Breadth : ± 3mm Height : ± 3mm
2	402	200	203	
3	401	202	203	
4	402	201	202	
5	401	200	201	
6	402	203	202	
7	403	200	203	
8	403	201	202	
9	402	202	201	
10	403	201	202	
11	402	203	201	
12	401	203	202	
13	402	201	203	
14	402	200	200	
15	400	203	199	
16	401	202	201	
17	403	201	202	
18	401	203	198	
19	402	203	201	
20	404	202	200	
Average of 20 blocks	**402**	**202**	**201**	

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

Lab ID : **CP-2017-05-12-01**

Date: 17-05-2017

Sample ID No : 2017-05-12-01/08

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	401	203	81403	254.1	3.1	4.2
2	402	200	80400	375.9	4.7	
3	401	202	81002	302.1	3.7	
4	402	201	80802	372.8	4.6	
5	401	200	80200	358.6	4.5	
6	402	203	81606	338.1	4.1	
7	403	200	80600	372.6	4.6	
8	403	201	81003	355.5	4.4	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Prepared by
Harshitha

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com